	Application No.	Applicant(s)
Notice of Allowability	10/034,725	HINTON ET AL.
	Examiner	Art Unit	
	Brian Gillis	2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *5/25/05 and 12/19/01*.

2. ☒ The allowed claim(s) is/are *1-4,6-13,15-22 and 24*.

3. ☐ The drawings filed on _____ are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *08032005* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

DETAILED ACTION

Response to Amendment

This action is responsive to the Amendment received on 5/25/2005. Claims 1-4,

10-13, and 19 were amended; claims 5, 14, and 23 were cancelled.

Claims 1-4, 6-13, 15-22, and 24 are allowed.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Robert Frantz, registration #42,553 on August 3, 2005.

The application has been amended as follows:

CROSS-REFERENCE TO RELATED APPLICATIONS

(CLAIMINING BENEFIT UNDER 35 U.S.C. 120)

This application is related to US Patent Application number ——————(to be

amended to include USPTO serial number) 09/710,926, docket number AUS9-2000-

0770-US1, filed on November 9, 2000, by Heather M. Hinton.

INCORPORATION BY REFERENCE

The related US Patent Application number ——————, 09/710,921, docket

number AUS9-2000-0770-US1, filed on November 9, 2000, by Heather M. Hinton,

which is commonly assigned is hereby incorporated by reference in its entirety,

including figures and Information Disclosure Statement.

CLAIMS

Claim 1 (currently amended):

A method for allowing an Internet or intranet browser user to conveniently

transfer directly to a domain that is participating in an e-community ~~without repetitious~~

~~and redundant authentication actions~~, said e-community comprising a plurality of

affiliated domain servers, said user being properly registered and authenticated to a

home domain server within said e-community, said method comprising the steps of:

automatically enrolling said user ~~at~~ [[an]] at a group of affiliated ~~domain~~ domains

within said e-community through exchange of a single home domain identity cookie

shared among said plurality of affiliated domains ~~with enrollment request and an~~

~~affiliated domain identity cookie with enrollment response success indicator between~~

~~said home domain server and an affiliated domain server~~ by:

(a) defining a minimal group of affiliated domains for automatic enrollment

corresponding to a condition selected from the group of user's home domain, and

a common set of domains required by all users participating in a given e-

community:

(b) providing a single-sign-on plug-in to said home domain and to each of

said affiliated e-community domains;

(c) responsive to a user activating a group enrollment functionality, redirecting a

user's browser from one domain to another according to a e-community domain

members list, until each domain within said e-community has been visited once,

said redirection being performed by said user's home domain according to a star

topology during which said home domain determines and reports the status of

each enrollment attempt across said e-community, and wherein each affiliated

domain within said e-community provides an enrollment page with resources

required to trigger enrollment functionality;

(d) upon redirection to a first affiliated e-community domain during step (b):

       (i) said home domain single-sign-on plug-in building a home identity

cookie having an extensible data area and an enrollment token for the

user.

       (ii) redirecting said home identity cookie and enrollment token to said first

e-community domain via-said user's web browser;

       (iii) unpacking said enrollment token in said home identity cookie by said

single-sign-on plug-in at said first affiliated domain:

       (iv) building an affiliated domain identity cookie for said user by said first

affiliated domain single-sign-on plug-in including an "enrollment

successful" indicator;

       (v) redirecting said affiliated domain identity cookie to said home domain

via said user's web browser:

       (vi) upon receipt of said enrollment successful indicator, modifying said

home identity cookie to include an "enrollment successful at first affiliated

domain" symbol in said extensible data area; and

(vii) returning said modified home identity cookie to said user's

web browser for storage in persistent memory;

(e) upon redirection to additional domains affiliated in said e-community

subsequent to redirection to said first affiliated domain, repeating said steps of

(d)(ii) through (d)(vii) wherein each step performed by said first affiliated domain

is alternatively performed by said single-sign-on plug-in at each additional

affiliated domain, thereby building up and accumulating "enrollment success"

symbols in said extensible data area of said single, shared home domain identity

cookie upon successful enrollment at each additional affiliated domain within said

e-community;

when said user's browser is pointed at a given affiliated domain server

subsequent to completion of said building of said home domain identity cookie having a

plurality of enrollment success symbols, vouching for the identity of the user through

exchange of a vouch-four request and vouch-for response between said home domain

server and [[an]] said given affiliated domain server; and

building a local session at said given affiliated domain for said user using [[said]]

a protected resource of said given affiliated domain responsive to receipt of said vouch-

for response. ;and

~~transmitting an e-community cookie from said affiliated domain server to said~~

~~browser recording successful authentication of said user into said affiliated domain.~~

Claim 10 ~~(original)~~(currently amended):

A computer readable medium encoded with software for allowing an Internet or

intranet browser user to <u>conveniently</u> transfer directly to a domain that is participating in

an e-community ~~without repetitious and redundant authentication actions~~, said e-

community comprising a plurality of affiliated domain servers, said user being ~~properly~~

registered and authenticated to a home domain server within said e-community, said

software <u>performing</u> ~~causing a processor to perform~~ the steps of:

automatically enrolling said user ~~at~~ [[an]] <u>at a group of</u> affiliated ~~domain~~ <u>domains</u>

<u>within said e-community</u> through exchange of a <u>single</u> home domain identity cookie

<u>shared among said plurality of affiliated domains</u> ~~with enrollment request and an~~

~~affiliated domain identity cookie with enrollment response success indicator between~~

~~said home domain server and an affiliated domain server~~ <u>by:</u>

<u>(a) defining a minimal group of affiliated domains for automatic enrollment</u>

<u>corresponding to a condition selected from the group of user's home domain, and</u>

<u>a common set of domains required by all users participating in a given e-</u>

<u>community:</u>

<u>(b) providing a single-sign-on plug-in to said home domain and to each of</u>

<u>said affiliated e-community domains;</u>

<u>(c) responsive to a user activating a group enrollment functionality, redirecting a</u>

<u>user's browser from one domain to another according to a e-community domain</u>

<u>members list, until each domain within said e-community has been visited once,</u>

<u>said redirection being performed by said user's home domain according to a star</u>

<u>topology during which said home domain determines and reports the status of</u>

each enrollment attempt across said e-community, and wherein each affiliated

domain within said e-community provides an enrollment page with resources

required to trigger enrollment functionality;

(d) upon redirection to a first affiliated e-community domain during step (b):

   (i) said home domain single-sign-on plug-in building a home identity

   cookie having an extensible data area and an enrollment token for the

   user.

   (ii) redirecting said home identity cookie and enrollment token to said first

   e-community domain via-said user's web browser;

   (iii) unpacking said enrollment token in said home identity cookie by said

   single-sign-on plug-in at said first affiliated domain:

   (iv) building an affiliated domain identity cookie for said user by said first

   affiliated domain single-sign-on plug-in including an "enrollment

   successful" indicator;

   (v) redirecting said affiliated domain identity cookie to said home domain

   via said user's web browser:

   (vi) upon receipt of said enrollment successful indicator, modifying said

   home identity cookie to include an "enrollment successful at first affiliated

   domain" symbol in said extensible data area; and

   (vii) returning said modified home identity cookie to said user's

   web browser for storage in persistent memory;

(e) upon redirection to additional domains affiliated in said e-community

subsequent to redirection to said first affiliated domain, repeating said steps of

(d)(ii) through (d)(vii) wherein each step performed by said first affiliated domain

is alternatively performed by said single-sign-on plug-in at each additional

affiliated domain, thereby building up and accumulating "enrollment success"

symbols in said extensible data area of said single, shared home domain identity

cookie upon successful enrollment at each additional affiliated domain within said

e-community;

when said user's browser is pointed at a given affiliated domain server

subsequent to completion of said building of said home domain identity cookie having a

plurality of enrollment success symbols, vouching for the identity of the user through

exchange of a vouch-four request and vouch-for response between said home domain

server and [[an]] said given affiliated domain server; and

building a local session at said given affiliated domain for said user using [[said]]

a protected resource of said given affiliated domain responsive to receipt of said vouch-

for response. ;-and

~~transmitting an e-community cookie from said affiliated domain server to said~~

~~browser recording successful authentication of said user into said affiliated domain.~~

Claim 19 (original)(currently amended):

A system for convenient e-community enrollment by an Internet or intranet user

using cross-domain single-sign-on to a group of affiliated domains that are domain that

is participating in an e-community ~~without repetitious and redundant authentication~~

~~actions, said e-community comprising a plurality of affiliated domain servers~~, said user

being properly registered and authenticated to a home domain server within said e-

community, said system comprising:

> a single-sign-on plug-in operatively disposed to a home domain server;

> a minimal group of affiliated domains defined in a list for automatic enrollment

corresponding to a condition selected from the group of user's home domain, and a

common set of domains required by all users participating in a given e-community, said

list being accessible by said home domain single-sign-on plug-in;

> a plurality of single-sign-on plug-ins, each of which is operatively disposed to an

affiliated e-community domain server;

> a home domain identity cookie ~~accompanying an enrollment request receivable~~

~~by an affiliated domain server~~ having a plurality of enrollment success symbols in an

extensible data area, said symbols being accumulated by passing said home domain

identity cookie by said home domain among said group of affiliated domains, said

passing occurring in a star topology centered upon a user's web browser, by:

>> (a) responsive to a user activating a group enrollment functionality, redirecting a

>> user's browser from one domain to another according to a e-community domain

>> members list, until each domain within said e-community has been visited once,

>> said redirection being performed by said user's home domain according to a star

>> topology during which said home domain determines and reports the status of

>> each enrollment attempt across said e-community, and wherein each affiliated

domain within said e-community provides an enrollment page with resources

required to trigger enrollment functionality;

(b) upon redirection to a first affiliated e-community domain during step (ba):

(i) said home domain single-sign-on plug-in building a home identity

cookie having an extensible data area and an enrollment token for the

user.

(ii) redirecting said home identity cookie and enrollment token to said first

e-community domain via-said user's web browser;

(iii) unpacking said enrollment token in said home identity cookie by said

single-sign-on plug-in at said first affiliated domain:

(iv) building an affiliated domain identity cookie for said user by said first

affiliated domain single-sign-on plug-in including an "enrollment

successful" indicator;

(v) redirecting said affiliated domain identity cookie to said home domain

via said user's web browser:

(vi) upon receipt of said enrollment successful indicator, modifying said

home identity cookie to include an "enrollment successful at first affiliated

domain" symbol in said extensible data area; and

(vii) returning said modified home identity cookie to said user's

web browser for storage in persistent memory;

(c) upon redirection to additional domains affiliated in said e-community

subsequent to redirection to said first affiliated domain, repeating said steps of

(b)(ii) through (b)(vii) wherein each step performed by said first affiliated domain

is alternatively performed by said single-sign-on plug-in at each additional

affiliated domain, thereby building up and accumulating "enrollment success"

symbols in said extensible data area of said single, shared home domain identity

cookie upon successful enrollment at each additional affiliated domain within said

e-community;

an affiliated domain identity cookie accompanying an enrollment response

success indicator receivable by said home domain server;

a vouch-for request receivable by a home domain server transmitted by a given

affiliated domain upon pointing of said user's web browser to said given affiliated

domain; and

a vouch-for response receivable by said affiliated domain server transmitted by

said home domain responsive to receipt of said vouch-for request. [[; and]]

an e-community cookie receivable by said browser to record successful

authentication of said user into said affiliated domain for the duration of the user's

session.

DRAWINGS

The following changes to the drawings have been approved by the examiner and

agreed upon by applicant: Remove reference number "31" from association with the

interprocess connector element "B" in Figure 3. In order to avoid abandonment of the

application, applicant must make these above agreed upon drawing changes.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

The prior art of record fails to teach neither singly nor in combination, the claimed limitations of "automatically enrolling said user at a group of affiliated domains within said e-community through exchange of a single home domain identity cookie shared among said plurality of affiliated domains by: (a) defining a minimal group of affiliated domains for automatic enrollment corresponding to a condition selected from the group of user's home domain, and a common set of domains required by all users participating in a given e-community; .... (e) upon redirection to additional domains affiliated in said e-community subsequent to redirection to said first affiliated domain, repeating said steps of (d)(ii) through (d)(vii) wherein each step performed by said first affiliated domain is alternatively performed by said single-sign-on plug-in at each additional affiliated domain, thereby building up and accumulating "enrollment success" symbols in said extensible data area of said single, shared home domain identity cookie upon successful enrollment at each additional affiliated domain within said e-community." as stated in claims 1, 19 and 19. This limitation in conjunction with other limitations in the independent claims, are not specifically disclosed or remotely suggested in the prior art of record. A review of claims 1-4, 6-13, 15-22, and 24, in view of the Examiner's amendments above, indicates that claims 1-4, 6-13, 15-22, and 24 are allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Gillis whose telephone number is 571-272-7952. The examiner can normally be reached on M-F 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on 571-272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian Gillis
Examiner
Art Unit 2141

BJG

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SUPERVISORY PATENT EXAMINER